

<b>STUDY MODULE DESCRIPTION FORM</b>		
Name of the module/subject <b>Diploma seminar</b>		Code <b>1010315341010310081</b>
Field of study <b>Electrical Engineering</b>	Profile of study (general academic, practical) <b>(brak)</b>	Year /Semester <b>2 / 4</b>
Elective path/specialty <b>Networks and Electric Power Systems</b>	Subject offered in: <b>Polish</b>	Course (compulsory, elective) <b>obligatory</b>
Cycle of study: <b>Second-cycle studies</b>	Form of study (full-time, part-time) <b>part-time</b>	
No. of hours Lecture: - Classes: - Laboratory: - Project/seminars: <b>18</b>		No. of credits <b>13</b>
Status of the course in the study program (Basic, major, other) <b>(brak)</b>		(university-wide, from another field) <b>(brak)</b>
Education areas and fields of science and art <b>technical sciences</b>		ECTS distribution (number and %) <b>13 100%</b>
<b>Responsible for subject / lecturer:</b>  prof. dr. hab. inż. Józef Lorenc email: jozef.lorenc@put.poznan.pl tel. 61-665 2279 Wydział Elektryczny ul. Piotrowo 3A 60-965 Poznań		
<b>Prerequisites in terms of knowledge, skills and social competencies:</b>		
1	<b>Knowledge</b>	Student has the increased knowledge obtained in time of studies on Electrical Engineering field of studies
2	<b>Skills</b>	Student has the ability to indicate and formulate issue and problem in electric power engineering
3	<b>Social competencies</b>	Student knows the increased possibilities to acquire knowledge from literature sources
<b>Assumptions and objectives of the course:</b> Presentation the investigation results and information on the main topic of MSc thesis. Formulation of conclusions. Preparation to final diploma colloquium		
<b>Study outcomes and reference to the educational results for a field of study</b>		
<b>Knowledge:</b> 1. Student knows the newest achievements and development trends in the scope of chosen issues in electric power engineering - [K_W04++]		
<b>Skills:</b> 1. Student is able to use technical literature, gather and interpret obtained information, formulate the final conclusions, justify the opinions. - [K_U01+, K_U15++, K_U16+] 2. Student can prepare and present a comprehensive presentation on topic of electric power engineering - [K_U04++] 3. Student is able to plan the task realization, evaluate the problem solution, carry-out the research individually or in group in the scope of electric power engineering - [K_U02+, K_U10+, K_U19+]		
<b>Social competencies:</b> 1. Student knows the need and knows the way to acquire the knowledge and transfer it to the community - [K_K01+, K_K05+]		
<b>Assessment methods of study outcomes</b>		
Assessment of prepared presentations and elements of his thesis ? oral and MM presentation		
<b>Course description</b>		

<p>Presentation of the research results and chosen problems analysis, formulation of the logical conclusions obtained from the carried-out investigations and analyses. Construction of the list of cited publications obtained in time of the diploma work preparation.</p>		
<p><b>Basic bibliography:</b></p> <ol style="list-style-type: none"> <li>1. Authors vademecum, principles of publication preparation, Wydawnictwo Politechniki Poznańskiej</li> <li>2. Polish-English, English-Polish dictionary, and other</li> <li>3. Technical literature (books, technical journals, conference proceedings, catalogues)</li> <li>4. Lexicons, encyclopedias, technical guides</li> </ol>		
<p><b>Additional bibliography:</b></p> <ol style="list-style-type: none"> <li>1. Exemplary MSc thesis prepared previously</li> </ol>		
<p><b>Result of average student's workload</b></p>		
<p><b>Activity</b></p>		<p><b>Time (working hours)</b></p>
<p>1. Participation in seminar</p>		<p>18</p>
<p>2. Consultations with supervisor of MSc thesis</p>		<p>60</p>
<p>3. Review and study of technical literature, carry-out of research dealing with the issue of MSc thesis</p>		<p>100</p>
<p>4. Preparation of obtained results presentation</p>		<p>20</p>
<p>5. Preparation of MSc thesis in final version</p>		<p>180</p>
<p>6. Preparation for final diploma colloquium</p>		<p>45</p>
<p>7. Participation in MSc diploma colloquium</p>		<p>1</p>
<p><b>Student's workload</b></p>		
<p><b>Source of workload</b></p>	<p><b>hours</b></p>	<p><b>ECTS</b></p>
<p>Total workload</p>	<p>406</p>	<p>13</p>
<p>Contact hours</p>	<p>111</p>	<p>4</p>
<p>Practical activities</p>	<p>250</p>	<p>9</p>